

T1/E1/J1 Media Converter

IE-iMcV-T1/E1/J1 LineTerm



SNMP-manageable, the iMcV-T1/E1/J1 converter series of modules extend 1.544 Mbps T1/J1 and 2.048 Mbps E1 copper-based PBX, router and switch circuits over regular duplex fiber or single-strand fiber optics. Supporting fiber distances of up to 80 km, the iMcV-T1/E1/J1 series of converters include built-in jitter removal, line integrity testing, diagnostic tools (Loopback mode and Transmit Data Source) and remote management features.

Select from the iMcV-T1/E1/J1, offering standard repeater-like functionality, or the IE-iMcV-T1/E1/J1-LineTerm which incorporates advanced features such as Line Terminating functionality and config control, support for both Alarm Indication Signals (AIS) and Remote Alarm Indications (RAI).

Both versions are installed as a HOST-REMOTE pair and can be remotely managed when the HOST is installed in an iMediaChassis with an SNMP–Management Module. This enables network managers to conduct loopback testing, to monitor, and to manage units located up to 80 km away.



iView: Windows 2000/XP/Vista/Win7

PRODUCT FEATURES

- Operates at (T1/J1 1.544 Mbps) and (E1 2.048 Mbps)
- Conduct Loopback tests, monitor/manage units via GUI-based iView2
 - Remote unit supports secure, out-of-band management
- Available for multi-mode, single-mode, or single-strand fiber
- Layer 1 modules
- Supports fiber and copper remote loopback control
- Transmit Data Source diagnostic tool sends data as unframed all ones, a pattern of alternating ones and zeros, or a Pseudorandom Bit Sequence (PRBS). A built-in PRBS signal detector makes testing even easier.
- LED display for monitoring of line diagnostics

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER Ports	RANGE	ETHERNET Ports	ETHERNET Connector
IE-iMcV-T1/E1/J1-LineTerm, With Config Control TP/SFP *					
850-18100	SFP	1	Various	1	RJ48
IE-iMcV-T1/E1/J1 Line Terminating with Config Control					
850-18101	MM850-ST	1	2 km	1	RJ48
850-18102	MM850-SC	1	2 km	1	RJ48
850-18103	MM1300-ST	1	5 km	1	RJ48
850-18104	MM1300-SC	1	5 km	1	RJ48
850-18105	SM1310/PLUS-ST	1	40 km	1	RJ48
850-18106	SM1310/PLUS-SC	1	40 km	1	RJ48
* 850-18107	SM1310/LONG-ST	1	80 km	1	RJ48
* 850-18108	SM1310/LONG-SC	1	80 km	1	RJ48
850-18111	SM1550/LONG-ST	1	80 km	1	RJ48
SINGLE STRAND FIBER **					
850-18120	MM1310-SC (1310xmt/1550rcv)	1	2 km	1	RJ48
850-18121	MM1550-SC (1550xmt/1310rcv)	1	2 km	1	RJ48
850-18122	SM1310-SC (1310xmt/1550rcv)	1	20 km	1	RJ48
850-18123	SM1550-SC (1550xmt/1310rcv)	1	20 km	1	RJ48
850-18124	SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ48
850-18125	SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ48
850-18126	SM1310/LONG-SC (1310xmt/1550rcv)	1	60 km	1	RJ48
850-18127	SM1550/LONG-SC (1550xmt/1310rcv)	1	60 km	1	RJ48

* Certified at 40 km, 80 km is achievable

** These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

iMcV-T1/E1/J1 also available in CWDM Fiber. Call for details.

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SPECIFICATIONS

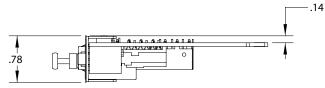
TECHNICAL
Protocol-Selectable — Operates at T1/J1 (1.544 Mbps) and E1 (2.048 Mbps) protocols
Supports Alarm Indication Signals (AIS)
Internal Test Head Function (PRBS, 1/0, All 1's)
Ability to manage remote unit from host end
Supports fiber and copper Loopback
Selectable line buildout (0 - 655 ft.)
Includes DTE/DCE switch on converter
Installs in any iMediaChassis or MediaChassis chassis*
Supports GUI-Based iView ²
CSU Line Gain (7.5, 15, 22.5 db)
Monitor Boost (20, 26, 32 db)
Supports secondary line protection
50/125µm or 62.5/125µm multi-mode fiber
9/125µm single-mode fiber
Available for single-strand fiber
Connectors: RJ-48 and ST, SC
STANDARDS COMPLIANCE:
ANSI T1.102-1993
ANSI T1.107-1995
GR-820-CORE

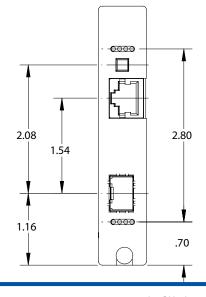
MECHANICAL			
Dimensions	4.19"H x 0.78"W x 2.75"D		
	(10.74 x 2 x 7.05 cm)		
Shipping Weight POWER	0.30 lbs (0.11 kg)		
0.55A @ 5V (Typical)			
ENVIRONMENTAL			
Operating Temperature:	+32° to +122° F (0° to +50° C)		
Storage Temperature:	-13° to +158° F (-25° to +70° C)		
Operating Humidity	5% to 95% (non-condensing), 0 – 10,000 ft. altitude		
REGULATORY APPROVALS			
FCC Class A			
UL/cUL			
CSA CE			
3.04			
2.73			

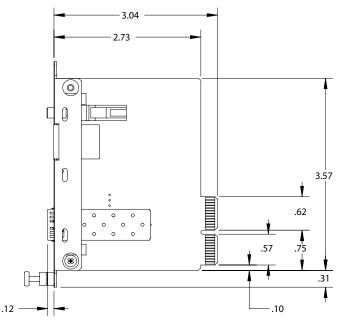
MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

B&B ELECTRONICS







orders@bb-elec.com support@bb-elec.com International Office: 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA 815-433-5100 Fax 433-5104 European Office: Westlink Commercial Park Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792445